

RATH, YOUNG,
PIGNATELLI AND OYER, P.A.
TWO CAPITAL PLAZA

P. O. BOX 854
CONCORD, NEW HAMPSHIRE 03302-0854



SDMS DocID 559399

THOMAS D. RATH
SHERILYN BURNETT YOUNG
MICHAEL A. PIGNATELLI
EVE H. OYER
PAUL BARBADORO
ANN McLANE KUSTER
DAVID M. HOWE
WILLIAM F. J. ARDINGER
M. CURTIS WHITTAKER
ANDREW W. SERELL
JAMES M. READEY
JANET V. LANIGAN
CHARLES G. WILLING, JR.
CHRISTINE P. BUTTON

TELEPHONE:
(603) 226-2600

TELECOPIER:
(603) 226-2700

Superfund Records Center
SITE: Coakley
BREAK: 11.9
OTHER: 559399

January 23, 1991

VIA FEDERAL EXPRESS

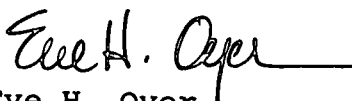
Stephen J. Calder
Remedial Project Manager
U.S. Environmental Protection Agency
90 Canal Street
MC# HCN-CAN5
Boston, MA 02114

Re: Information Request Letter Concerning Coakley Landfill
Site, North Hampton, New Hampshire - Final Response of
F.A. Gray, Inc.

Dear Mr. Calder:

Attached please find the final response of F. A. Gray, Inc. to your December 14, 1990 information request letter. This final response supplements the interim response filed on behalf of F. A. Gray on January 11, 1991 in accordance with my agreement with Attorney Cynthia Catri. If you have any questions concerning the attached response, please do not hesitate to call me.

Very truly yours,


Eve H. Oyer

EHO/psc
Enclosure
cc: Cynthia Catri, Esq.
John W. Gray

FINAL RESPONSE OF F. A. GRAY, INC. TO DECEMBER 14, 1990
INFORMATION REQUEST LETTER CONCERNING THE COAKLEY LANDFILL SITE,
NORTH HAMPTON, NEW HAMPSHIRE

The following information supplements and amends the Interim Response of F. A. Gray, Inc. to December 14, 1990 Information Request Letter Concerning the Coakley Landfill Site, North Hampton, New Hampshire dated January 11, 1991:

4. **Provide a list of accounts payable for all painting supplies, including without limitation, paints, thinners, adhesives and solvents used by F. A. Gray from 1972 through 1985:**

Attached is a list of accounts payable for F. A. Gray, Inc. from 1972 to 1985. The attachment indicates the year(s) in which each supplier provided material to F. A. Gray, Inc. Although records for the years 1977 and 1978 do not exist, the best available information concerning suppliers of painting supplies is included in the attachment.

7. **For any material taken to a site by F. A. Gray or by any person acting on behalf of or under the direction or control of F. A. Gray, including but not limited to latex and oil-based paints and thinner material referred to in F. A. Gray's December 14, 1987 response to EPA's first information request:**

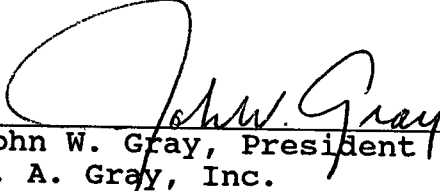
- b. **Provide copies of all Material Safety Data Sheets (MSDS), Chemical Abstracts Service Registry Number (CASRN), manufacturers' specifications and all analytical data regarding composition of such material:**

As stated in our interim response, numerous MSDS's are on file at F. A. Gray for all products offered for sale by F. A. Gray, including products which were never actually sold by F. A. Gray. As stated in our December 14, 1987 response to EPA's first information request, a very small number of empty paint cans containing dried paint film may have been included in F. A. Gray's trash which was picked up and disposed of by the City. It would be impossible to determine which if any of the MSDS's correspond to any dried paint films which might have been disposed of in this manner. At the request of Attorney Cynthia Catri, we are enclosing representative sample MSDS's from F. A. Gray's files. We have enclosed an MSDS for PPG's latex paint numbers 6-510, 6-515, 6-516, 6-518, 6-544, and 6-576. We have also included an MSDS's for PPG's oil

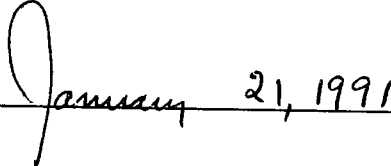
paints numbers 6-90, 6-96, 6-105, and 6-106. We selected these products because they represent a large volume of F. A. Gray's paint sales.

Pursuant to Attorney Catri's request we have also included representative MSDS's for mineral spirits and for Golden Harvest Wheat paste adhesive. Neither of these products was used at the store and were not disposed of with F. A. Gray's trash.

The above information and the information contained in F. A. Gray's January 11, 1991 interim response are true and accurate to the best of my knowledge.



John W. Gray, President
F. A. Gray, Inc.



Date January 21, 1991

ACCOUNTS PAYABLE FOR F. A. GRAY, INC.
1972-1985

A & M Corp.
46 Market Street
Portsmouth, NH 03801
Phone: (603) 436-5366
Accounts Payable: 1981-1985

M. Ableman Co.
84 Stonley Road
Jamaica Plain, MA
Phone: (617) 522-2120
Accounts Payable: 1981-1985

Acme Glass Co.
One North Avenue
Burlington, VT 05401
Phone: (802) 658-1400
Accounts Payable: 1981, 1982, 1982, 1984

American Vamag
1061 Linden Avenue
Ridgefield, NJ 07657
Phone: (201) 941-1991
Accounts Payable: 1982-1985

Ameron
201 North Berry Street
Brea, CA 92621
Phone: (800) 344-9903
Accounts Payable: 1984

Archer Daniels Midland Co.
P.O. Box 12042
Newark, NJ 07101
Accounts Payable: 1982

Cadillac Paint and Varnish Co.
109 Eliot Street
Ashland, MA 01721
Phone: (617) 881-2926
Accounts Payable: 1972, 1976, 1981-1984

California Products Corp.
P.O. Box 569
Cambridge, MA 02139
Phone: (617) 547-5300
Accounts Payable: 1981, 1982, 1984

Consumer Paint Factory, Inc.
5300 West Fifth Avenue
Gary, Indiana
Phone: (219) 949-1684
Accounts Payable: 1981-1985

Coronado Paint Co., Inc.
308 Old County Road
Bridgewater, FL
Phone: (904) 428-6461
Accounts Payable: 1981-1983

D. J. Inc.
Putney Road
Brattleboro, VT
Phone: (802) 254-6023
Accounts Payable: 1979-1983, 1985

Dutch Boy Paint
P.O. Box 92672
Cleveland, OH 44190
Phone: (216) 566-2663
Accounts Payable: 1977-1985

Diemont-Levy Co., Inc.
365 Albany Street
Boston, MA 02118
Phone: (617) 425-5580
Accounts Payable: 1972-1985

Eastern Stain Sales Co., Inc.
2 Clinton Place
New Rochelle, NY 10801
Accounts Payable: 1972-1978, 1981

Johnson Paint Co., Inc.
355 Newberry Street
Boston, MA 02115
Phone: (617) 536-4838
Accounts Payable: 1972, 1981

Genest Concrete Works, Inc.
Wilson Street
Sanford, ME 04073
Phone: (207) 324-3250
Accounts Payable: 1983

A. H. Harris
P.O. Box 700
New Britain, CT 06050
Phone: (203) 295-7671
Accounts Payable: 1984

Kyanize Paints
Second & Boston Street
Everett, MA 02149
Accounts Payable: 1972-1985

McKesson Co.
241 Corporation Way
Medford, MA 02155
Phone: (617) 395-6560
Accounts Payable: 1982

Muralo Co., Inc.
148 East Fifth Street
Bayonne, NJ 07002
Phone: (201) 437-0770
Accounts Payable: 1972-1985

N. L. Industries
See Dutch Boy Paints
Accounts Payable: 1972-1976

Ocean Chemicals, Inc.
404 Magazine Avenue
Savannah, GA 31402
Phone: (912) 234-1236
Accounts Payable: 1981-1982

Paint Distributing Co. (American)
55 High Street
Nashua, NH 03060
Accounts Payable: 1984-1985

PPG Industries, Inc.
P.O. Box 856
Dover, Delaware 19901
Accounts Payable: 1972-1985

Paterson & Gretchell
21 Daniel Street
Portsmouth, NH 03801
Phone: (603) 436-3031
Accounts Payable: 1972-1983

Petri Paint Co., Inc.
167 Glenwood Lane
East Meadow, NY 11554
Phone: (201) 589-1464
Accounts Payable: 1981-1985

Polar Paints, Inc.
144 Howe Street
Lewiston, ME 04240
Phone: (207) 784-6974
Accounts Payable: 1972-1985

Raffi & Swanson, Inc.
100 Eames Street
Wilmington, MA 01887
Phone: (617) 933-4200
Accounts Payable: 1981, 1982, 1984

R. Righter Co., Inc.
10 Emerson Place
Boston, MA 02114
Phone: (617) 367-0005
Accounts Payable: 1976, 1981, 1982

Right-Way Dealer Warehouse
420 "O" Street
Boston, MA 02210
Phone: (617) 482-3399
Accounts Payable: 1983-1985

Rust-Oleum Corp.
11 Hawthorn Parkway
Vernon Hill, IL 60061
Phone: (312) 367-7700
Accounts Payable: 1981-1985

Sherwin Williams Co.
800 Islington Street
Portsmouth, NH 03801
Phone: (603) 431-6611
Accounts Payable: 1976, 1983-1984

Soule Glass Industries, Inc.
Portland, ME
Accounts Payable: 1972-1985

Savagren Co.
P.O. Box 130
Norwood, MA 02062
Phone: (617) 762-5400
Accounts Payable: 1972-1976, 1981

SCL Corp.
184 Commercial Street
Malden, MA 02148
Phone: (617) 322-0163
Accounts Payable: 1972-1985

Superior Distributing Co.
201 Maple Street
Chelsea, MA 02150
Phone: (617) 844-7070
Accounts Payable: 1981-1984

Synko Company
P.O. Box 455
Bayonne, NJ 07002
Accounts Payable: 1981-1983

Tnemec East, Inc.
10 Emerson Place
Boston, MA 02114
Phone: (617) 367-0005
Accounts Payable: 1984-1985

UGL
P.O. Box 70
Scranton, PA 18501
Phone: (717) 344-1202
Accounts Payable: 1972-1985

United Sales Co.
P.O. Box 666
Needham, MA 02192
Accounts Payable: 1973-1976, 1981, 1982, 1984, 1985

Watco-Dennis Corp.
1756 22nd Street
Santa Monica, CA 90404
Phone: (213) 829-2226
Accounts Payable: 1981-1982, 1984-1985

William Zinsser & Co., Inc.
39 Belmont Drive
Somerset, NJ 08873
Phone: (201) 469-8100
Accounts Payable: 1972-1985

Whitney Building Products
352 C Street
Boston, MA 02127
Phone: (617) 269-2300
Accounts Payable: 1983-1984

Zolatone Process, Inc.
3411 East 15th Street
Los Angeles, CA 90023
Phone: (213) 269-9231
Accounts Payable: 1985

Flood Company
1213 Barlow Road
Hudson, OH 44236
Phone: (216) 650-4070
Accounts Payable: 1981-1985

Samuel Cabots, Inc.
One Union Street
Boston, MA 02108
Phone: (617) 723-7740
Accounts Payable: 1972-1974, 1976, 1983, 1984

MATERIAL SAFETY DATA SHEET

COATINGS AND RESINS GROUP

SECTION I - PRODUCT INFORMATION

MANUFACTURER'S NAME: PPG INDUSTRIES, INC.
 PRODUCT CODE/IDENTITY: **6-H** (041790M)
 CUSTOMER PART#/NAME:
 PRODUCT TRADE NAME: SPEEDHIDE LATEX S/G ENAMELS
 CHEMICAL FAMILY: VINYL ACRYLIC

SHIPPING INFORMATION
 US-DOT-SHIP.NAME/HAZ.CLASS: NOT REGULATED
 UN NUMBER: N/A

IN-PLANT HAZARD RATINGS
 HEALTH= 2
 FLAMMABILITY= 0
 REACTIVITY= 0

0=MINIMAL 1=SLIGHT 2=MODERATE 3=SERIOUS 4=SEVERE
 *CONTAINS INGREDIENT(S) WHICH MAY CAUSE (LONG-TERM) HEALTH EFFECTS

PRODUCT SAFETY INFO: 200 KAPPA DRIVE
 : PITTSBURGH, PA. 15226
 : (412) 492-8888
 : 1-800-441-8888
 PGM. PAINTS INFO. OR MSDS: 1-800-245-2380, IN OH.(216) 671-0050
 AUTO REFINISH INFO. OR MSDS: (304) 843-1300
 EMERGENCY MEDICAL INFO: (304) 843-1300
 EMERGENCY SPILL INFO: (304) 843-1300
 DATE OF MSDS PREPARATION: 8/04/80

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200), THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III, SECTION 313, AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS. ABBREVIATIONS AND OTHER DESIGNATIONS USED ON THIS MATERIAL SAFETY DATA SHEET INCLUDE THE FOLLOWING:

U/I = UNKNOWN INFORMATION; N/A = NOT APPLICABLE; NOT ESTAB. = NOT ESTABLISHED; CERT. LTR. = CHEMICAL O.K. ON TSCA INVENTORY; CAS NO. NOT AVAILABLE

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS
 [FORMULA VALUES, NOT SALES SPECIFICATIONS]

BOILING RANGE: 100 - 274 DEG. C SOLUBILITY IN WATER: <64 %
 VAPOR PRESSURE: <10 mmHg WT/GAL (LBS): 9-11 (U.S.)
 VAPOR DENSITY: HEAVIER THAN AIR pH: U/I
 % VOL/VOLUME: <88 % SOLID BY WEIGHT: 30-43
 EVAP RATE(BuAc=100): <34 SPECIFIC GRAVITY: 1.1 - 1.3
 ODOOR/APPEARANCE: VISCOUS LIQUID WITH AN ODOOR CHARACTERISTIC OF THE CHEMICAL FAMILY AND ANY SOLVENTS LISTED IN SECTION II.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

US-DOT CATEGORY: NOT APPLICABLE
 FLASHPOINT: NA DEG. F PMOC
 FLAMMABLE LIMITS: LEL NA UEL U/I

EXTINGUISHING MEDIA:

USE NATIONAL FIRE PROTECTION ASSOCIATION (NFFA) CLASS B EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR UNIVERSAL AQUEOUS FILM FORMING FOAM) DESIGNED TO EXTINGUISH NFFA CLASS III COMBUSTIBLE LIQUID FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

CLOSED CONTAINERS MAY EXPLODE OR BURST (DUE TO THE BUILD-UP OF STEAM PRESSURE) WHEN EXPOSED TO EXTREME HEAT.

SPECIAL FIRE FIGHTING PROCEDURES:

WATER SPRAY MAY BE INEFFECTIVE. WATER SPRAY MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. FIRE-FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS.

SECTION V - REACTIVITY DATA

STABILITY: STABLE
 HAZARDOUS POLYMERIZATION: NOT EXPECTED TO OCCUR
 INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID):
 *AVOID CONTACT WITH STRONG ALKALIES, STRONG MINERAL ACIDS, OR STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS:

MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS WHEN HEATED. WELDING, BRAZING, OR FLAME-CUTTING ON SURFACES COATED WITH THIS PRODUCT MAY PRODUCE FUMES INCLUDING: Carbon Monoxide,

SECTION VI - SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

PROVIDE MAXIMUM VENTILATION. ONLY PERSONNEL EQUIPPED WITH PROPER RESPIRATORY AND SKIN AND EYE PROTECTION SHOULD BE PERMITTED IN THE AREA. REMOVE ALL SOURCES OF IGNITION. TAKE UP SPILLED MATERIAL WITH SAWDUST, VERMICULITE, OR OTHER ABSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR DISPOSAL.

WASTE DISPOSAL METHOD:

WASTE MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, PROVINCIAL, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS SHOULD BE RECYCLED OR DISPOSED OF THROUGH AN APPROVED WASTE MANAGEMENT FACILITY.

SECTION VII - HEALTH HAZARD DATA**EFFECTS OF OVEREXPOSURE FROM:****INGESTION:**

-HARMFUL OR FATAL IF SWALLOWED.

EYE CONTACT:

-CAUSES EYE IRRITATION.

SKIN CONTACT:

-MAY CAUSE SLIGHT SKIN IRRITATION.

INHALATION:

-VAPOR AND SPRAY MIST MAY BE HARMFUL IF INHALED. -VAPOR GENERATED AT ELEVATED TEMPERATURES IRRITATES EYES, NOSE AND THROAT.

CHRONIC OVEREXPOSURE:

AVOID LONG TERM AND REPEATED CONTACT. -THIS PRODUCT CONTAINS TITANIUM DIOXIDE. ANIMALS INHALING MASSIVE QUANTITIES OF TITANIUM DIOXIDE DUST IN A LONG-TERM STUDY DEVELOPED LUNG TUMORS. STUDIES WITH HUMANS INVOLVED IN MANUFACTURE OF THIS PIGMENT INDICATE NO INCREASED RISK OF CANCER FROM EXPOSURE. POTENTIAL FOR INHALATION OF TITANIUM DIOXIDE DUSTS FROM COATINGS IS VERY LIMITED. SINCE OVEREXPOSURES ARE NOT EXPECTED, THERE IS NO SIGNIFICANT HAZARD FOR MAN.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

-REDNESS, ITCHING, BURNING SENSATION AND VISUAL DISTURBANCES MAY INDICATE EXCESSIVE EYE CONTACT. -DRYNESS, ITCHING, CRACKING, BURNING, REDNESS, AND SWELLING ARE CONDITIONS ASSOCIATED WITH EXCESSIVE SKIN CONTACT.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

NOT APPLICABLE

SECTION VIII - FIRST AID PROCEDURES**INGESTION:**

IF SWALLOWED, DO NOT INDUCE VOMITING.

EYE CONTACT:

IN CASE OF EYE CONTACT, FLUSH EYES IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

SKIN CONTACT:

IN CASE OF SKIN CONTACT, REMOVE PROMPTLY BY WIPING, FOLLOWED BY WATERLESS HAND CLEANSER AND SOAP AND WATER.

INHALATION:

IF AFFECTED BY INHALATION OF VAPOR OR SPRAY MIST, REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION AND OTHER SUPPORTIVE MEASURES AS REQUIRED.

OTHER:

IF ANY OF THE FOLLOWING OCCUR DURING OR FOLLOWING USE OF THIS PRODUCT, CONTACT A POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN IMMEDIATELY; HAVE MATERIAL SAFETY DATA SHEET INFORMATION AVAILABLE. *INGESTION *EXCESSIVE EXPOSURE TO A CORROSIVE MATERIAL * PERSISTENT SIGNS/EYE IRRITATION OR BREATHING DIFFICULTIES.

SECTION IX - PROTECTION INFORMATION**PERSONAL PROTECTIVE EQUIPMENT FOR:****EYE PROTECTION:**

WEAR CHEMICAL-TYPE SPLASH GOGGLES OR FULL FACE SHIELD.

SKIN PROTECTION:

WEAR PROTECTIVE CLOTHING, INCLUDING IMPERMEABLE APRON AND GLOVES CONSTRUCTED OF: NITRILE, NEOPRENE, OR LATEX

RESPIRATORY PROTECTION:

OVEREXPOSURE TO VAPORS MAY BE PREVENTED BY ENSURING VENTILATION CONTROLS. VAPOR EXHAUST OR FRESH AIR ENTRY. NIOSH/MSHA-APPROVED (TC-230-) PAINT SPRAY OR AIR SUPPLIED (TC-190-) RESPIRATORS MAY ALSO REDUCE EXPOSURE. READ RESPIRATOR MANUFACTURER'S INSTRUCTIONS AND LITERATURE CAREFULLY TO DETERMINE THE TYPE OF AIRBORNE CONTAMINANTS AGAINST WHICH THE RESPIRATOR IS EFFECTIVE AND HOW IT IS TO BE PROPERLY FITTED.

OTHER EQUIPMENT:

CLEAN OR DISCARD CONTAMINATED CLOTHING AND SHOES.

VENTILATION REQUIREMENTS:

PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP THE CONCENTRATION OF INGREDIENTS LISTED IN SECTION II BELOW THE LOWEST SUGGESTED EXPOSURE LIMITS, THE LEL IN SECTION IV BELOW THE STATED LIMIT, AND TO REMOVE DECOMPOSITION PRODUCTS DURING WELDING OR FLAME CUTTING ON SURFACES COATED WITH THIS PRODUCT.

SECTION X - SPECIAL PRECAUTIONS**HANDLING AND STORAGE PRECAUTIONS:**

DO NOT STORE ABOVE 120 DEGREES F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED AND PROTECTED FOR STORAGE OF NFFA CLASS III COMBUSTIBLE LIQUIDS. PROTECT FROM FREEZING.

OTHER PRECAUTIONS:

IF THIS MATERIAL IS PART OF A MULTIPLE COMPONENT COATING SYSTEM, READ THE MATERIAL SAFETY DATA SHEET(S) FOR THE OTHER COMPONENT OR COMPONENTS BEFORE BLENDING AS THE RESULTING MIXTURE MAY HAVE THE HAZARDS OF ALL OF ITS PARTS.

605/1411111/804

6-H	
6-510	6-518
6-515	6-544
6-516	6-576

CONTINUATION OF MANUFACTURER'S CODE: 6-H

DATE OF PREP: 6/04/90

PAGE 2



SECTION 11 - INGREDIENTS AND REGULATORY INFORMATION

		...SARA TITLE III & CERCLA CLASSIFICATIONS....											
INGREDIENTS	CAS NUMBER	MAX % WEIGHT	HS	ENS	TC+	RQ	TPQ	SARA 311/312					
			(102)	(302)	(313)	(LBS)	(LBS)	AC	CH	FL	PR	RE	
ALUMINUM SILICATE	1332-58-7	5-10	N	N	N	N/A	N/A	N	N	N	N	N	N
TITANIUM DIOXIDE #	13463-67-7	20-25	N	N	N	N/A	N/A	N	Y	N	N	N	N
2,2,4,4TRIMETHYL 1,3PENTANEDIOL ISOBUTYRATE	23263-77-4	1- 2	N	N	N	N/A	N/A	Y	N	N	N	N	N
WATER	7732-18-5	60-65	N	N	N	N/A	N/A	N	N	N	N	N	N
FILM FORMERS, RESINS, AND ADDITIVES	NOT ESTAB.	20-25	N	N	N	N/A	N/A	N	N	N	N	N	N

*** OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS ***

INGREDIENTSACGIH.....	OSHA.....	PPG-IPEL.....	
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-STEL	IPEL-TWA	IPEL-STEL
TITANIUM DIOXIDE #	10 mg/m3	NOT ESTAB	15 mg/m3	NOT ESTAB	10 mg/m3	NOT ESTAB

*** SARA 311/312 CATEGORIES FOR THIS PRODUCT ***

ACUTE=Y CHRONIC=Y FLAM=N PRESS=N REAC=N

*** PRODUCT STATUS RELATIVE TO THE US EPA TOXIC SUBSTANCES CONTROL ACT ***

ALL CHEMICAL SUBSTANCES IN THIS PRODUCT COMPLY WITH ALL APPLICABLE
RULES OR ORDERS UNDER THE ENVIRONMENTAL PROTECTION AGENCY'S TOXIC
SUBSTANCES CONTROL ACT.

*** FOOTNOTES FOR SECTION 11 ***

CARCINOGENIC ACCORDING TO CRITERIA ESTABLISHED BY: **NTP **IARC B=OSHA #=OTHER

ORAL= LD50 ORAL (RAT), (g/kg) DERM= LD50 DERMAL (RABBIT), (g/kg) INHL= LC50 INHALATION (RAT), (Mg/L)

* INGREDIENTS IN THE TC COLUMN ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III. SEE 40 CFR PART 372.

STERLING CLARK LURTON

TEL No.

617 322 3911 Jan 16,91 11:07 P.02/06

DATE ISSUED
SUPERSEDES DATE7/90
7/90

THIN-X BLUE

**STERLING-CLARK-LURTON CORP.**

184 Commercial Street, Box J, Malden, Massachusetts 02148 Telephone 617/322-0163

MATERIAL SAFETY DATA SHEET**A. IDENTIFICATION AND EMERGENCY INFORMATION**PRODUCT NAME
Thin-X BluePRODUCT CODE
1002CHEMICAL NAME
Petroleum SolventCAS NUMBER
8052-41-3PRODUCT APPEARANCE AND ODOR
Clear water-white liquid
mild mineral spirits odorMEDICAL EMERGENCY TELEPHONE NUMBER
SCL (DAYS ONLY MON. - THURS.)
MASS POISON INFO
CHEMTREC (TRANSPORTATION)617-322-0163
617-232-2120
800-424-9300**B. COMPONENTS AND HAZARD INFORMATION****COMPONENTS****CAS NO. OF
COMPONENTS****APPROXIMATE
CONCENTRATION**This product can be defined as:
low aromatic stoddard solvent

8052-41-3

100%

It consists predominantly of C7-C10 hydrocarbons

This product contains:
C7-C10 saturated hydrocarbons
Toluene
Xylene
Ethylbenzene
C8+ AromaticsMixture
108-88-3
1330-20-7
100-41-4
MixtureApproximately 92+%
Approximately 0.4%
Approximately 0.5%
Approximately 0.2%
Approximately 6%

See Section E for Health and Hazard Information.

See Section H for additional Environmental Information.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

HEALTH FLAMMABILITY REACTIVITY

BASIS

1

2

0

Recommended by SCL

EXPOSURE LIMIT FOR TOTAL PRODUCT
100 ppm (525 mg/m3 for an 8-hour
workday)**BASIS**Recommended by the American Conference of Governmental
Industrial Hygienists (ACGIH) for stoddard Solvent

100 ppm 8-hour TWA

OSHA Regulation 29 CFR 1910.1000

THIN-X BLUE**C. PRIMARY ROUTES OF ENTRY AND
EMERGENCY AND FIRST AID PROCEDURES**

EYE CONTACT
If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

SKIN
In case of skin contact, remove any contaminated clothing and wash skin thoroughly with soap and water.

INHALATION
If overcome by vapor, remove from exposure and call a physician immediately. If breathing is irregular or has stopped, start resuscitation, administer oxygen, if available.

INGESTION
If ingested, DO NOT induce vomiting; call a physician immediately.

D. FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT (MINIMUM)
Combustible - Per DOT 49 CFR 173.115
38°C (100°F)
ASTM D 56, Tag closed cup

AUTOIGNITION TEMPERATURE
Approximately 255°C (490°F)
ASTM D 2155

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) - HAZARD IDENTIFICATION
HEALTH 0 FLAMMABILITY 2 REACTIVITY 0
Basis: Recommended by the National Fire Protection Association

HANDLING PRECAUTIONS
This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

Keep product away from ignition sources, such as heat, sparks, pilot lights, static electricity, and open flames.

FLAMMABLE OR EXPLOSIVE LIMITS (APPROXIMATE PERCENT BY VOLUME IN AIR)
Estimated values: lower flammable limit 0.9% Upper flammable limit 7%

EXTINGUISHING MEDIA AND FIRE FIGHTING PROCEDURES
Foam, water spray (fog), dry chemical, carbon dioxide and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists.

The following procedures for this type of product are based on the recommendations in the National Fire Protection Association's "Fire Protection Guide on Hazardous Materials", Eighth Edition (1984):

Use dry chemical, foam or carbon dioxide to extinguish the fire. Water may be ineffective, but water should be used to keep fire-exposed containers cool. If a leak or spill has ignited, use water spray to disperse the vapors and to protect men attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing of gases, vapor, fumes or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

NOTE: The inclusion of the phrase "water may be ineffective" is to indicate that although water can be used to cool and protect exposed material, water may not extinguish the fire unless used under favorable conditions by experienced fire fighters trained in fighting all types of flammable liquid fires.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS
Fumes, smoke, carbon monoxide, aldehydes and other decomposition products, in the case of incomplete combustion.

"EMPTY" CONTAINER WARNING
"Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. For work on tanks refer to Occupational Safety and Health Administration regulations, ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

DATE ISSUED: 7/90
SUPERSEDES DATE: 7/90

THIN-X BLUE**E. HEALTH AND HAZARD INFORMATION****VARIABILITY AMONG INDIVIDUALS**

Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

EFFECTS OF OVEREXPOSURE (SIGNS AND SYMPTOMS OF EXPOSURE)

High vapor concentrations (greater than approximately 1000 ppm) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

NATURE OF HAZARD AND TOXICITY INFORMATION

Prolonged or repeated skin contact with this product tends to remove skin oils, possibly leading to irritation and dermatitis; however, based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria.

Product contacting the eyes may cause eye irritation

Laboratory animal studies have shown that prolonged and repeated inhalation exposure to light hydrocarbon vapors in the same naphtha boiling range as this product can produce adverse kidney effects in male rats. However, these effects were not observed in similar studies with female rats and male and female mice and in limited studies with other animal species. Additionally, in a number of human studies, there was no clinical evidence of such effects at normal occupational levels. It is therefore highly unlikely that the kidney effects observed in male rats have significant implications for humans exposed at or below the recommended vapor limits in the workplace.

Product has a low order of acute oral and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

This product is judged to have an acute oral LD50 (rat) greater than 5 g/kg of body weight, and an acute dermal LD50 (rabbit) greater than 3.16 g/kg of body weight.

~~Prolonged Repeated~~ Petroleum Hydrocarbons - skin contact may aggravate an existing dermatitis.

F. PHYSICAL DATA

THE FOLLOWING DATA ARE APPROXIMATE OR TYPICAL VALUES AND SHOULD NOT BE USED FOR PRECISE DESIGN PURPOSES.

BOILING RANGE

Approximately 153-202°C (308-396°F)

VAPOR PRESSURE

Less than 10 mm hg @ 25°C

ASTM D 2879

SPECIFIC GRAVITY (15.6 O/15.6 C)

0.76

VAPOR DENSITY (AIR = 1)

Approximately 5.0

MOLECULAR WEIGHT

118

PERCENT VOLATILE BY VOLUME

100 @ 1 atm and 159°C (317°F)

PH

Essentially neutral

EVAPORATION RATE @ 1 ATM. AND 25 C (77 F)

(n-BUTYL ACETATE = 1)

0.1

POUR, CONGEALING OR MELTING POINT

Less than - 10° C (0°F)

Pour point by ASTM D 97

SOLUBILITY IN WATER @ 1 ATM. AND 25 C (77 F)

Negligible; less than 0.1%

VISCOSITY

0.90 cP @ 25°C ASTM D 445

DATE ISSUED: 7/90
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THIN-X BLUE**G. REACTIVITY**

This product is stable and will not react violently with water. Hazardous polymerization will not occur. Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.

H. ENVIRONMENTAL INFORMATION**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Shut off and eliminate all ignition sources. Keep people away. Recover free product. Add sand, earth or other suitable absorbent to spill area. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas.

Assure conformity with applicable governmental regulations. Continue to observe precautions for volatile, combustible vapors from absorbed material.

THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES:

REPORTABLE QUANTITY (RQ), EPA REGULATION 40 CFR 302 (CERCLA SECTION 102)
No RQ for product or any constituent greater than 1% or 0.1% (carcinogen).

THRESHOLD PLANNING QUANTITY (TPQ), EPA REGULATION 40 CFR 355 (SARA SECTIONS 301 - 304)
No TPQ for product or any constituent greater than 1% or 0.1% (carcinogen).

TOXIC CHEMICAL RELEASE REPORTING, EPA REGULATION 40 CFR 372 (SARA SECTION 313)
This product contains approximately 2% 1,2,4-Trimethyl benzene.

HAZARDOUS CHEMICAL REPORTING, EPA REGULATION 40 CFR 370 (SARA SECTIONS 311-312)	ACUTE HAZARD	CHRONIC HAZARD	FIRE HAZARD	PRESSURE HAZARD	REACTIVE HAZARD	NOT APPLICABLE
EPA HAZARD CLASSIFICATION CODE:	XXX		XXX			

I. PROTECTION AND PRECAUTIONS**VENTILATION**

Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. No smoking, flame or other ignition sources.

RESPIRATORY PROTECTION

Use supplied-air respiratory protection in confined or enclosed spaces, if needed.

PROTECTIVE GLOVES

Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.

EYE PROTECTION

Use splash goggles or face shield when eye contact may occur.

OTHER PROTECTIVE EQUIPMENT

Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing, which could result in prolonged or repeated skin contact.

WORK PRACTICES / ENGINEERING CONTROLS

Keep containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants. To prevent fire or explosion risk from static accumulation and discharge, effectively ground product transfer system in accordance with the National Fire Protection Association standard for petroleum products.

In order to prevent fire or explosion hazards, use appropriate equipment.

Information on electrical equipment appropriate for use with this product may be found in the latest edition of the National Electrical Code (NFPA-70). This document is available from the National Fire Protection Association, Batterymarch Park, Quincy, Massachusetts 02269.

DATE ISSUED:
SUPERSEDES DATE:

7/90
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THIN-X BLUE**PERSONAL HYGIENE**

Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry-clean before re-use. Remove contaminated shoes and thoroughly clean and dry before re-use. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

J. TRANSPORTATION AND OSHA RELATED LABEL INFORMATION**TRANSPORTATION INCIDENT INFORMATION**

For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Emergency Response Guidebook for Hazardous Materials Incidents, DOT P 5800.3.

DOT IDENTIFICATION NUMBER
UN 1255

OSHA REQUIRED LABEL INFORMATION

In compliance with hazard and right-to-know requirements, the following OSHA hazard warnings should be found on a label, bill of lading or invoice accompanying this shipment.

DANGER!

COMBUSTIBLE

Note: Product label will contain additional non-OSHA related information.

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE TO THE BEST OF SCL KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE ISSUED. SCL DOES NOT WARRANT OR GUARANTEE THEIR ACCURACY OR RELIABILITY, AND SCL SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE ARISING OUT OF THE USE THEREOF.

THE INFORMATION AND RECOMMENDATIONS ARE OFFERED FOR THE USER'S CONSIDERATION AND EXAMINATION, AND IT IS THE USER'S RESPONSIBILITY TO SATISFY ITSELF THAT THEY ARE SUITABLE AND COMPLETE FOR ITS PARTICULAR USE. IF BUYER REPACKAGES THIS PRODUCT, LEGAL COUNCIL SHOULD BE CONSULTED TO INSURE PROPER HEALTH, SAFETY AND OTHER NECESSARY INFORMATION IS INCLUDED ON THE CONTAINER.

THE ENVIRONMENTAL INFORMATION INCLUDED UNDER SECTION H HEREOF AS WELL AS THE HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) AND NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS HAVE BEEN INCLUDED BY SCL, U.S.A. IN ORDER TO PROVIDE ADDITIONAL HEALTH AND HAZARD CLASSIFICATION INFORMATION. THE RATINGS RECOMMENDED ARE BASED UPON THE CRITERIA SUPPLIED BY THE DEVELOPERS OF THESE RATING SYSTEMS, TOGETHER WITH SCL INTERPRETATION OF THE AVAILABLE DATA.

DATE ISSUED:
SUPERSEDES DATE:

7/90
7/90



MATERIAL SAFETY DATA SHEET

COATINGS AND RESINS GROUP

SECTION I - PRODUCT INFORMATION

MANUFACTURER'S NAME: PPG INDUSTRIES, INC.
 PRODUCT CODE/IDENTITY: 6-C (041790M)
 CUSTOMER PART#/NAME:
 PRODUCT TRADE NAME: SPEEDHIDE LO-SHEEN ENAMELS
 CHEMICAL FAMILY: ALKYL

SHIPPING INFORMATION
 US-DOT-SHIP.NAME/HAZ CLASS: PAINT, COMBUSTIBLE LIQUID
 UN NUMBER: UN1263

IN-PLANT HAZARD RATINGS
 HEALTH= 2
 FLAMMABILITY= 2
 REACTIVITY= 0

0=MINIMAL 1=SLIGHT 2=MODERATE 3=SERIOUS 4=SEVERE
 *CONTAINS INGREDIENT(S) WHICH MAY CAUSE (LONG-TERM) HEALTH EFFECTS

PRODUCT SAFETY INFO: 280 KAPPA DRIVE
 PITTSBURGH, PA 15228
 (412) 493-5555
 1-800-441-6665
 PGL PAINTS INFO. OR MSDS: 1-800-245-2550, IN OH (216) 871-0080
 AUTO REFINISH INFO. OR MSDS: (304) 843-1300
 EMERGENCY MEDICAL INFO: (304) 843-1300
 EMERGENCY SPILL INFO: 8/04/90
 DATE OF MSDS PREPARATION:

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200), THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III, SECTION 313, AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS. ABBREVIATIONS AND OTHER DESIGNATIONS USED ON THIS MATERIAL SAFETY DATA SHEET INCLUDE THE FOLLOWING:

U/I = UNKNOWN INFORMATION; N/A = NOT APPLICABLE; NOT ESTAB = NOT ESTABLISHED; CERT. LTR. = CHEMICAL O.K. ON TSCA INVENTORY; CAS NO. NOT AVAILABLE

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

[FORMULA VALUES, NOT SALES SPECIFICATIONS]

BOILING RANGE: 100 - 242 DEG. C SOLUBILITY IN WATER, <1 %
 VAPOR PRESSURE <1 mmHg WT/GAL (LBS): 9-12 (U.S.)
 VAPOR DENSITY: HEAVIER THAN AIR pH: U/I
 % VOL/VOLUME: <50 % SOLID BY WEIGHT: 81-89
 EVAP RATE (Btu/lb-hr @ 100): <15 SPECIFIC GRAVITY: 1.1 - 1.4
 ODOR/APPEARANCE: VISCOUS LIQUID WITH AN ODOR CHARACTERISTIC OF THE SOLVENTS LISTED IN SECTION II

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

US-DOT CATEGORY: COMBUSTIBLE
 FLASHPOINT: 120 DEG. F PMOC
 FLAMMABLE LIMITS: LEL .7 UEL U/I

EXTINGUISHING MEDIA:

USE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CLASS B EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL, OR UNIVERSAL AQUEOUS FILM FORMING FOAM) DESIGNED TO EXTINGUISH NFPA CLASS II COMBUSTIBLE LIQUID FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS, AND OPEN FLAMES. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. DO NOT APPLY ON HOT SURFACES. TOXIC GASES MAY FORM WHEN PRODUCT IS CONTACTED BY FLAME OR HOT SURFACES. SPECIAL FIRE FIGHTING PROCEDURES:

WATER SPRAY MAY BE INEFFECTIVE. WATER SPRAY MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. FIRE-FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS.

SECTION V - REACTIVITY DATA

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: NOT EXPECTED TO OCCUR

INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID):

AVOID CONTACT WITH STRONG ALKALIES, STRONG MINERAL ACIDS, OR STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS:

MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS WHEN HEATED. WELDING, BRAZING, OR FLAME-CUTTING ON SURFACES COATED WITH THIS PRODUCT MAY PRODUCE FUMES INCLUDING: Carbon Monoxide.

SECTION VI - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

PROVIDE MAXIMUM VENTILATION. ONLY PERSONNEL EQUIPPED WITH PROPER RESPIRATORY AND SKIN AND EYE PROTECTION SHOULD BE PERMITTED IN THE AREA. REMOVE ALL SOURCES OF IGNITION. TAKE UP SPILLED MATERIAL WITH SAWDUST, VERMICULITE, OR OTHER ABSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR DISPOSAL.

WASTE DISPOSAL METHOD:

WASTE MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, PROVINCIAL, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS SHOULD BE RECYCLED OR DISPOSED OF THROUGH AN APPROVED WASTE MANAGEMENT FACILITY.

SECTION VII - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE FROM:

INGESTION:

HARMFUL OR FATAL IF SWALLOWED.

EYE CONTACT:

CAUSES EYE IRRITATION.

SKIN CONTACT:

MAY CAUSE MODERATE SKIN IRRITATION.

INHALATION:

VAPOR AND SPRAY MIST MAY BE HARMFUL IF INHALED.

CHRONIC OVEREXPOSURE:

AVOID LONG TERM AND REPEATED CONTACT. THIS PRODUCT CONTAINS TITANIUM DIOXIDE. ANIMALS INHALING MASSIVE QUANTITIES OF TITANIUM DIOXIDE DUST IN A LONG-TERM STUDY DEVELOPED LUNG TUMORS. STUDIES WITH HUMANS INVOLVED IN MANUFACTURE OF THIS PIGMENT INDICATE NO INCREASED RISK OF CANCER FROM EXPOSURE. POTENTIAL FOR INHALATION OF TITANIUM DIOXIDE DUSTS FROM COATINGS IS VERY LIMITED. SINCE OVEREXPOSURES ARE NOT EXPECTED, THERE IS NO SIGNIFICANT HAZARD FOR MAN.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

REDNESS, ITCHING, BURNING SENSATION AND VISUAL DISTURBANCES MAY INDICATE EXCESSIVE EYE CONTACT. DRYNESS, ITCHING, CRACKING, BURNING, REDNESS, AND SWELLING ARE CONDITIONS ASSOCIATED WITH EXCESSIVE SKIN CONTACT.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

NOT APPLICABLE

SECTION VIII - FIRST AID PROCEDURES

INGESTION:

IF SWALLOWED, DO NOT INDUCE VOMITING.

EYE CONTACT:

IN CASE OF EYE CONTACT, FLUSH EYES IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

SKIN CONTACT:

IN CASE OF SKIN CONTACT, REMOVE PROMPTLY BY WIPING, FOLLOWED BY WATERLESS HAND CLEANSER AND SOAP AND WATER.

INHALATION:

IF AFFECTED BY INHALATION OF VAPOR OR SPRAY MIST, REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION AND OTHER SUPPORTIVE MEASURES AS REQUIRED.

OTHER:

IF ANY OF THE FOLLOWING OCCUR DURING OR FOLLOWING USE OF THIS PRODUCT, CONTACT A POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN IMMEDIATELY: HAVE MATERIAL SAFETY DATA SHEET INFORMATION AVAILABLE. *INGESTION *EXCESSIVE EXPOSURE TO A CORROSIVE MATERIAL *PERSISTENT SKIN/EYE IRRITATION OR BREATHING DIFFICULTIES.

SECTION IX - PROTECTION INFORMATION

PERSONAL PROTECTIVE EQUIPMENT FOR:

EYE PROTECTION:

WEAR CHEMICAL-TYPE SPLASH GOGGLES OR FULL FACE SHIELD.

SKIN PROTECTION:

WEAR PROTECTIVE CLOTHING, INCLUDING IMPERMEABLE APRON AND GLOVES CONSTRUCTED OF NITRILE RUBBER, NEOPRENE RUBBER OR POLYVINYL ALCOHOL.

RESPIRATORY PROTECTION:

WHERE VENTILATION IS INADEQUATE, USE A SUITABLE RESPIRATOR.

OTHER EQUIPMENT:

CLEAN OR DISCARD CONTAMINATED CLOTHING AND SHOES.

VENTILATION REQUIREMENTS:

PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP THE CONCENTRATION OF INGREDIENTS LISTED IN SECTION II BELOW THE LOWEST SUGGESTED EXPOSURE LIMITS, THE LEL IN SECTION IV BELOW THE STATED LIMIT, AND TO REMOVE DECOMPOSITION PRODUCTS DURING WELDING OR FLAME CUTTING ON SURFACES COATED WITH THIS PRODUCT.

SECTION X - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

DO NOT STORE ABOVE 120 DEGREES F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED AND PROTECTED FOR STORAGE OF NFPA CLASS II COMBUSTIBLE LIQUIDS.

OTHER PRECAUTIONS:

IF THIS MATERIAL IS PART OF A MULTIPLE COMPONENT COATING SYSTEM, READ THE MATERIAL SAFETY DATA SHEET(S) FOR THE OTHER COMPONENT OR COMPONENTS BEFORE BLENDING AS THE RESULTING MIXTURE MAY HAVE THE HAZARDS OF ALL OF ITS PARTS. CONTAINERS SHOULD BE GROUNDED WHEN POURING. AVOID FREE FALL OF LIQUIDS IN EXCESS OF A FEW INCHES.

806/C/1111/004

6-C
6-90
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6-106

CONTINUATION OF MANUFACTURER'S CODE: 6-C

DATE OF PREP: 6/04/90

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SECTION II - INGREDIENTS AND REGULATORY INFORMATION



INGREDIENTS	CAS NUMBER	MAX % WEIGHT	...SARA TITLE III & CERCLA CLASSIFICATIONS...							
			HS (102)	ENS (302)	TC+ (313)	RQ (LBS)	TPQ (LBS)	SARA 311/312		
								AC	CH	FL'PR RE
TITANIUM DIOXIDE #	13463-67-7	20-25	N	N	N	N/A	N/A	N	Y	N N N
CALCIUM CARBONATE	471-34-1	30-35	N	N	N	N/A	N/A	N	N	N N N
ALUMINUM SILICATE	1335-30-4	2-5	N	N	N	N/A	N/A	N	N	N N N
HYDROTREATED HEAVY NAPHTHA	64742-48-9	30-35	N	N	N	N/A	N/A	Y	N	Y N N
FILM FORMERS, RESINS, AND ADDITIVES	NOT ESTAB.	20-25	N	N	N	N/A	N/A	N	N	N N N

*** OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS ***

INGREDIENTSACGIH.....	OSHA.....	PPG-IPCL.....	
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-STEL	IPEL-TWA	IPEL-STEL
TITANIUM DIOXIDE #	10 mg/m3	NOT ESTAB	15 mg/m3	NOT ESTAB	10 mg/m3	NOT ESTAB
CALCIUM CARBONATE	10 mg/m3	NOT ESTAB	15 mg/m3	NOT ESTAB	10 mg/m3	NOT ESTAB

*** SARA 311/312 CATEGORIES FOR THIS PRODUCT ***
 ACUTE=Y CHRONIC=Y FLAM=Y PRESS=N REAC=N

*** PRODUCT STATUS RELATIVE TO THE US EPA TOXIC SUBSTANCES CONTROL ACT ***
 ALL CHEMICAL SUBSTANCES IN THIS PRODUCT COMPLY WITH ALL APPLICABLE
 RULES OR ORDERS UNDER THE ENVIRONMENTAL PROTECTION AGENCY'S TOXIC
 SUBSTANCES CONTROL ACT.

*** FOOTNOTES FOR SECTION II ***

CARCINOGENIC ACCORDING TO CRITERIA ESTABLISHED BY: *NTP **IARC @OSHA #OTHER

ORAL= LD50 ORAL (RAT), (g/kg) DERM= LD50 DERMAL (RABBIT), (g/kg) INHL= LC50 INHALATION (RAT), (mg/L)

+ INGREDIENTS IN THE TC COLUMN ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III. SEE 40 CFR PART 372.

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List)
Golden Harvest Wallpaper Paste

Note: Blank spaces are not permitted. If any item is not applicable, or no
information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name
ADM Milling Co. / Decorator Products

Emergency Telephone Number
913-491-9400

Address (Number, Street, City, State, and ZIP Code)
4330 West 109th Street, Suite 100

Telephone Number for Information
913-491-9400

Shawnee Mission, Kansas 66211

Date Prepared
26 October 1987
Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Nuisance particulates of total dust		10 mg/m ³		
Nuisance particulates of respirable dust		5 mg/m ³		
Aluminum Sulfate		2 mg/m ³		

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	>1
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water
Appreciable

Appearance and Odor
Wheat flour color and odor.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limits	N/A	LEL	UEL
				unknown	unknown

Extinguishing Media
Water fog, CO₂, or foam.

Special Fire Fighting Procedures

Fire fighters should wear self-contained breathing apparatus in warehouse fires. Do not use direct hose stream if dust can be dispersed into the air.

Section V — Reactivity Data

Stability	Unstable	Conditions to Avoid	N/A
	Stable	X	

Incompatibility (Materials to Avoid) None

Hazardous Decomposition or Byproducts

Thermal decomposition may produce Carbon Dioxide, Carbon Monoxide, and oxides of Sulfur.

Hazardous Polymerization	May Occur	Conditions to Avoid	N/A
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	yes	no	no

Health Hazards (Acute and Chronic)

Reduced visibility, may cause unpleasant deposits in the eyes, ears, and nasal passages. Inhalation may cause irritation in the throat.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
None	No	No	No

Signs and Symptoms of Exposure Reduced visibility and/or irritation in throat.

Medical Concerns

Generally Aggravated by Exposure Unknown

Emergency and First Aid Procedures

Eyes: flush immediately with water. Product is listed in Poisindex.

Contact local poison control center for first aid procedures.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Broom or vacuum clean-up.

Waste Disposal Method

According to federal, state, and/or local regulations.

Precautions to Be Taken in Handling and Storing

Maintain dry storage, avoid creating dust during adhesive preparation, and avoid exposure to potential ignition sources.

Other Precautions

None

Section VIII — Control Measures

Respiratory Protection (Specify Type)

Approved dust mask or respirator when preparing adhesive.

Ventilation	Local Exhaust	Special
	If needed	N/A
	Mechanical (General)	Other
	If needed	N/A

Protective Gloves

Impervious gloves

Eye Protection

Goggles or safety glasses

Other Protective Clothing or Equipment

N/A